New oil production **Outlook 2030**

Where the new oil production come from?

**UNDERSTANDING THE NEW OIL PRODUCTION CAPACITY FROM FIELD TO BE DEVELOPED & TO BE FOUND**
The decline in the this outlook leads the production from existing fields at 0.5 millions b/d

Where the new oil production come from…?

2 millions of Barrels of oil are needed to achieve this scenario

Elaboration and analysis by Edgar Ocampo Téllez
Few questions about new oil production from fields to be found in the “Scenario with the strategy” of the new administration.

In mid 2022, only 4 years after now, the new oil capacity production from fields to be found is more than 800 Kb/d.

In order to achieve 800 Kb/d in just 4 years, it’s necessary to have right now 4 billions barrels at least in proven reserves, and many projects ready to start.
"Oil production scenario" with the strategy
Pemex / Sener 2024 Outlook

In mid 2024, 6 years from now, the new oil capacity production is 1.2 million b/d
...Among all organizations and researchers that have carried out scenarios of oil production in Mexico, none foresees such important new oil production capacity in only 6 years.

Let's see a few scenarios for the new oil production from fields to be found:

1. Raúl Gonzalez scenario 2011
2. Oficial Pemex 2011
3. Oficial Pemex 2015
4. Edgar Ocampo 2015
5. Edgar Ocampo 2017
6. IEA 2015
UNDERSTANDING THE NEW MEXICO OIL PRODUCTION CAPACITY FROM FIELD TO BE DEVELOPED & TO BE FOUND OLDS OUTLOOKS
In 2017, 6 years after Raul Gonzalez’s 2011 outlook, new oil capacity production is 400 kb/d.
In 2017, 6 years after Pemex’s 2011 outlook, new oil capacity production is only 500 kb/d.
In 2021, 6 years after Pemex's 2015 outlook, new oil capacity production is 1 million b/d.
In 2021, 6 years after my 2015 outlook, new oil capacity production is 300 Kb/d.

Edgar Ocampo 2015 outlook

SIE SENER; Sistema de Información de Energía
In 2023, 6 years after my 2017 outlook, new oil capacity production is 300 Kb/d.
In 2023, 6 years after IEA’s 2015 outlook, new oil capacity production is 500 Kb/d.
Rystad **2016 outlook**


**Elaboration and analysis by Edgar Ocampo Téllez**

October 2018 / update june 2019

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450 kb/d in 6 years

6 years
<table>
<thead>
<tr>
<th>Scenario by:</th>
<th>Mexican new oil production in 2024 (in million barrels a day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raul Gonzalez 2011</td>
<td>0.4</td>
</tr>
<tr>
<td>Pemex 2011</td>
<td>0.5</td>
</tr>
<tr>
<td>Pemex 2015</td>
<td>1.0               <strong>Why so high?</strong></td>
</tr>
<tr>
<td>Edgar Ocampo 2015</td>
<td>0.3</td>
</tr>
<tr>
<td>Edgar Ocampo 2017</td>
<td>0.3</td>
</tr>
<tr>
<td>IEA 2015</td>
<td>0.5</td>
</tr>
<tr>
<td>Rystad 2016</td>
<td>0.45</td>
</tr>
<tr>
<td>New “Evolution of the Mexican Petroleum Industry” 2018</td>
<td>1.2               <strong>Why so high?</strong></td>
</tr>
</tbody>
</table>
CONCLUSIONS

PEMEX HAS CAPACITY TO RISE OIL PRODUCTION ABOUT 0.5 MILLIONS B/D FROM FIELDS TO BE FOUND BEFORE THE RECENT ANNOUNCEMENT OF 2018 DISCOVERIES
PEMEX NEW CAPACITY TO RISE OIL PRODUCTION FROM EXISTING FIELDS
PEMEX 2018 REPORT
NEW OIL PRODUCTION CAPACITY FROM PROJECTS ON EXISTING FIELDS


October 2018 / update June 2019
Elaboration and analysis by Edgar Ocampo Téllez
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October 2018 / update June 2019

PEMEX 2018 REPORT
NEW OIL PRODUCTION IN REGION SUR TABASCO ONSHORE


Elaboration and analysis by Edgar Ocampo Téllez
PEMEX 2018 REPORT
PROVEN + 2P + 3P OIL RESERVES IN REGION SUR TABASCO ONSHORE
In billions of barrels of oil

<table>
<thead>
<tr>
<th>Subdirección</th>
<th>Reservas 3P</th>
</tr>
</thead>
<tbody>
<tr>
<td>AS01</td>
<td>8.3</td>
</tr>
<tr>
<td>AS02</td>
<td>3.4</td>
</tr>
<tr>
<td>Norte</td>
<td>7.8</td>
</tr>
<tr>
<td>Sur</td>
<td>1.7</td>
</tr>
<tr>
<td><strong>Total PEP</strong></td>
<td><strong>21.3</strong></td>
</tr>
</tbody>
</table>


Reservas al 1 de enero de 2018, Reservas 3P = probada + probable + posible

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PEMEX 2018 REPORT
NEW OIL PRODUCTION IN CUENCAS DEL SURESTE OFFSHORE

EK BALAM OIL FIELD PROJECT

PEMEX 2018 REPORT
NEW OIL PRODUCTION IN CUENCAS DEL SURESTE KU MALOOB ZAAP OFFSHORE

KU OIL FIELD PROJECT

KU MALOOB ZAAP
Millions of recoverable oil reserves: 2 526


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PEMEX 2018 REPORT
NEW OIL PRODUCTION IN CUENCAS DEL SURESTE KU MALOOB ZAAP OFFSHORE

MALOOB OIL FIELD PROJECT

KU MALOOB ZAAP
Millions of recoverable oil reserves: **2,526**

**4 years**

140 kb/d peak

PEMEX 2018 REPORT
NEW OIL PRODUCTION IN CUENCAS DEL SURESTE KU MALOOB ZAAP OFFSHORE

ZAAP OIL FIELD PROJECT


KU MALOOB ZAAP
Millions of recoverable oil reserves: 2 526

5 years

100 kb/d peak
PEMEX 2018 REPORT
NEW OIL PRODUCTION IN CUENCAS DEL SURESTE Ayatsil Tekel Utsil OFFSHORE

Ayatsil Tekel Utsil OIL FIELDS PROJECT

Millions of recoverable oil reserves: 1 825

6 years

200 kb/d peak


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<table>
<thead>
<tr>
<th>FIELD:</th>
<th>New Mexico oil production capacity (thousands barrels a day)</th>
</tr>
</thead>
<tbody>
<tr>
<td>REGION SUR ONSHORE</td>
<td>120</td>
</tr>
<tr>
<td>EK BALAM OFFSHORE</td>
<td>100</td>
</tr>
<tr>
<td>KU OFFSHORE</td>
<td>70</td>
</tr>
<tr>
<td>MALOOB OFFSHORE</td>
<td>140</td>
</tr>
<tr>
<td>ZAAP OFFSHORE</td>
<td>100</td>
</tr>
<tr>
<td>AYATSIL TEKEL UTSIL OFFSHORE</td>
<td>200</td>
</tr>
<tr>
<td>TOTAL</td>
<td>730</td>
</tr>
</tbody>
</table>
UNDERSTANDING THE NEW MEXICO OIL PRODUCTION CAPACITY FROM FIELD TO BE DEVELOPED & FOUND BY PRIVATE COMPANIES